

Claims

I claim:

1) A dispenser for either solid or fluid conditioning cleaning agent for toilet water comprising:

a conditioning cleaning agent to be dispensed

a means of aliquoting said conditioning cleaning agent;

a dispensing volume for said aliquot of conditioning cleaning agent;

connected to said dispensing volume is an air passage

connected to the bottom of said dispensing volume is

a siphon with an enlarged outlet funnel;

said enlarged outlet funnel has a restricted exit hole

2) A dispenser for either solid or fluid conditioning cleaning agent for toilet water as in claim 1)

wherein said conditioning cleaning agent in a liquid form is stored in a reservoir.

3) A dispenser for either solid or fluid conditioning cleaning agent for toilet water as in claim 1)

wherein said means of aliquoting said conditioning cleaning agent in a liquid form is a dispensing volume;

said dispensing volume is connected to said conditioning fluid in a reservoir via a pinhole.

4) A dispenser for either solid or fluid conditioning cleaning agent for toilet water as in claim 1)

wherein said cleaning conditioning fluid to be dispensed is flush water from an open cup;

said cup is a means of aliquoting said conditioning cleaning agent

said flush water flows over a bolus of conditioning solid;

said flush water with conditioning dissolved from the solid collects in a catchment volume;

said catchment volume is connected to said siphon.

5) A dispenser for a toilet cleaning fluid into a flush water volume of a flush toilet comprising:

a reservoir;

a pin hole connects said reservoir to a dispensing volume;

a first air passage to the reservoir from the ambient air above the reservoir;

a siphon from said dispensing volume to the toilet bowl water;

a second air passage from the ambient air above the reservoir to said dispensing volume;

6) A dispenser for a toilet cleaning fluid as in claim 5) where in said siphon has an enlarged outlet space.

7) A dispenser for a toilet cleaning fluid as in claim 5) where in said first air passage is a

direct vent into said reservoir.

8) A dispenser for a toilet cleaning fluid as in claim 5) where in said reservoir is a flexible reservoir which reservoir collapses as fluid is dispensed from that flexible reservoir.

9) A dispenser for a toilet cleaning cleaning agent as in claim 5) where in there is a branch line from an enlarged space in said second air passage to said reservoir.

10) A dispenser for a toilet cleaning fluid as in claim 5) where in said reservoir is a bottle.

11) A dispenser for a toilet cleaning fluid as in claim 5) further comprises a catch volume.

12) A dispenser for a solid bolus of conditioner for toilet flush water comprising:

an enclosed reservoir;

at the bottom of said enclosed reservoir is a catchment volume;

said catchment volume connects to a siphon;

enclosed in said rectangular reservoir is a temporary catch trough;

said temporary catch trough has a leak hole;

said leak hole drips water over the solid bolus of toilet water conditioner;

said temporary catch trough receives an aliquot volume of flush water from an open cup;

said open cup connects with a connector tube to the temporary catch trough.

13) A dispenser for a solid bolus of toilet water conditioner as in claim 12) wherein said siphon has an enlarged outlet funnel.

14) A dispenser for a solid bolus of toilet water conditioner as in claim 12) wherein said solid bolus of toilet water conditioner is permanently sealed within said enclosed reservoir.

15) A dispenser for a solid bolus of toilet water conditioner as in claim 12) wherein said solid bolus of toilet water conditioner may be replaced.

16) A dispenser for a solid bolus of toilet water conditioner as in claim 12) wherein said enlarged outlet funnel has one or more baffles.

17) A dispenser for a solid bolus of toilet water conditioner as in claim 12) wherein said siphon has an enlarged central section.

18) A dispenser for a solid bolus of toilet water conditioner comprising:
an enclosed reservoir;
at the bottom of said enclosed reservoir is a catchment volume;
said catchment volume connects to a siphon;
enclosed in said rectangular reservoir is a temporary catch trough;
said temporary catch trough has a leak hole;
said leak hole drips water over the solid bolus of toilet water conditioner;

said temporary catch trough receives flush water a from U-shaped toilet sub-siphon;

one end of said U-shaped sub-siphon is open to the ambient air;

said U-shaped toilet sub-siphon has a water entrance hole.